

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.

Application Serial Number: 10 | 536, 560  
Source: PCI  
Date Processed by STIC: 6/7/06

***ENTERED***



PCT

## RAW SEQUENCE LISTING

DATE: 06/07/2006

PATENT APPLICATION: US/10/536,560

TIME: 10:46:42

Input Set : F:\Sequence.txt

Output Set: N:\CRF4\06072006\J536560.raw

3 <110> APPLICANT: ROSETTA GENOMICS LTD  
 5 <120> TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY  
 6 GENES AND USES THEREOF  
 8 <130> FILE REFERENCE: 06087.0300.PCUS13  
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/536,560  
 C--> 10 <141> CURRENT FILING DATE: 2005-05-26  
 10 <160> NUMBER OF SEQ ID NOS: 424571  
 12 <170> SOFTWARE: PatentIn version 3.3  
 14 <210> SEQ ID NO: 1  
 15 <211> LENGTH: 76  
 16 <212> TYPE: RNA  
 17 <213> ORGANISM: Human herpesvirus 5  
 19 <400> SEQUENCE: 1  
 20 ggccgccaag auccaggagc gcuacgcgga gcugcagaag cgcaagagcc accccaccuc 60  
 22 cugcaucc acggcc 76  
 25 <210> SEQ ID NO: 2  
 26 <211> LENGTH: 112  
 27 <212> TYPE: RNA  
 28 <213> ORGANISM: Human Herpesvirus 2  
 30 <400> SEQUENCE: 2  
 31 ggccgcccgc gcccccgcc cggccgccgc gcgccccgc cggccgccgc cgcgccccgc 60  
 33 cccgcccgc gcgcgcccc gcccgccgc cgcgcgcccc cggccgccgc cc 112  
 36 <210> SEQ ID NO: 3  
 37 <211> LENGTH: 64  
 38 <212> TYPE: RNA  
 39 <213> ORGANISM: Human herpesvirus 3  
 41 <400> SEQUENCE: 3  
 42 ggccguuuu cccggaauug gaacgcuuca caacuguugu gaauauauuc cacuguucuc 60  
 44 ggcu 64  
 47 <210> SEQ ID NO: 4  
 48 <211> LENGTH: 61  
 49 <212> TYPE: RNA  
 50 <213> ORGANISM: Human Herpesvirus 1  
 52 <400> SEQUENCE: 4  
 53 ggccuuauag aucuccggau cgaugcggac ggggguaau aucagggcga ucggaacggc 60  
 55 c 61  
 58 <210> SEQ ID NO: 5  
 59 <211> LENGTH: 90  
 60 <212> TYPE: RNA  
 61 <213> ORGANISM: Rat cytomegalovirus  
 63 <400> SEQUENCE: 5  
 64 ggcgaccccc gcccgguccg aggcgucggu gacgaccuug gagagguagu ucuccagggc 60  
 66 gcgcacgacg cgguagacgc ggggggagcc 90

(Pg. 6)

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Input Set : F:\Sequence.txt

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69 <210> SEQ ID NO: 6
70 <211> LENGTH: 92
71 <212> TYPE: RNA
72 <213> ORGANISM: Human Herpesvirus 4
74 <400> SEQUENCE: 6
75 ggcgacacuu gggugcacag guggccguag gugucacgug accuuuuccg ccggcaccuu      60
77 uaagcugccg cgauguaccc ccggggauccg cc                                     92
80 <210> SEQ ID NO: 7
81 <211> LENGTH: 94
82 <212> TYPE: RNA
83 <213> ORGANISM: Human herpesvirus 1
85 <400> SEQUENCE: 7
86 ggcgaccccg guccugauu auauagguc aggggguucc gcacccccua acauggcgcc      60
88 cccggucccu guauauauag ugucacgggg uucc                                     94
91 <210> SEQ ID NO: 8
92 <211> LENGTH: 76
93 <212> TYPE: RNA
94 <213> ORGANISM: Rat Cytomegalovirus
96 <400> SEQUENCE: 8
97 ggcgagcggc gagggcgaca cugcuggcgc gaggggaccc gccgggcucc cgcgguccgc      60
99 ccgguccccg cucccc                                                         76
102 <210> SEQ ID NO: 9
103 <211> LENGTH: 102
104 <212> TYPE: RNA
105 <213> ORGANISM: Human herpesvirus 4
107 <400> SEQUENCE: 9
108 ggcgcacccc caguaccggg ccauccugca aaagaggaac gagcuguaca cgcggcucaa      60
110 ccgagccaug cagcggguug gccgaggcga ggaggaggcg uc                         102
113 <210> SEQ ID NO: 10
114 <211> LENGTH: 99
115 <212> TYPE: RNA
116 <213> ORGANISM: Molluscum contagiosum virus
118 <400> SEQUENCE: 10
119 ggcgcgccga cgccgcgggg gcgcgccgac guacacgggg gcgccaacgc cgccggggcg      60
121 gccgacguca ccgggcgcgc caacgcugcc gggcgcgcc                             99
124 <210> SEQ ID NO: 11
125 <211> LENGTH: 74
126 <212> TYPE: RNA
127 <213> ORGANISM: Human Herpesvirus 5
129 <400> SEQUENCE: 11
130 ggcgcucgca cgaggagcug guucuuguc cgcccagau ggaggagcgu cuagcgccgc      60
132 uguugcagag ugcc                                                         74
135 <210> SEQ ID NO: 12
136 <211> LENGTH: 62
137 <212> TYPE: RNA
138 <213> ORGANISM: Human Herpesvirus 5
140 <400> SEQUENCE: 12
141 ggcgguggcg aucaaaaggc gcguaugaga aaccguuuau agaguguaau agaauaccg      60
143 uc                                                                       62

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PATENT APPLICATION: US/10/536,560

TIME: 10:46:42

Input Set : F:\Sequence.txt

Output Set: N:\CRF4\06072006\J536560.raw

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146 <210> SEQ ID NO: 13
147 <211> LENGTH: 60
148 <212> TYPE: RNA
149 <213> ORGANISM: Human Herpesvirus 5
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155 <210> SEQ ID NO: 14
156 <211> LENGTH: 80
157 <212> TYPE: RNA
158 <213> ORGANISM: Human herpesvirus 1
160 <400> SEQUENCE: 14
161 ggcggugucg uuguugguc cgguggggcg uaccgcgaa auacaucggu gcagcggacu      60
163 ggcaccgaag acgguguacc                                     80
166 <210> SEQ ID NO: 15
167 <211> LENGTH: 63
168 <212> TYPE: RNA
169 <213> ORGANISM: Human Herpesvirus 5
171 <400> SEQUENCE: 15
172 ggcguccgcg ugucuaaacc gcgugcucgc ugacgcgggu uugcuuccua uauaguggac      60
174 guc                                                         63
177 <210> SEQ ID NO: 16
178 <211> LENGTH: 65
179 <212> TYPE: RNA
180 <213> ORGANISM: Human Herpesvirus 5
182 <400> SEQUENCE: 16
183 ggcguucagg ccuaauacu agccgcaucu uaccugucgg cagcauguau cggggcuccg      60
185 acgcc                                                         65
188 <210> SEQ ID NO: 17
189 <211> LENGTH: 130
190 <212> TYPE: RNA
191 <213> ORGANISM: Hepatitis GB virus B
193 <400> SEQUENCE: 17
194 ggcguugaca ccacaaacu gccagcccc uccaucgaag agguaguggu aagaaagcgc      60
196 caguuccggg caagaacugg uucgcuuacc uugccucccc cuccgagauc cgucccagga      120
198 gugucauguc                                                         130
201 <210> SEQ ID NO: 18
202 <211> LENGTH: 63
203 <212> TYPE: RNA
204 <213> ORGANISM: Human Herpesvirus 6
206 <400> SEQUENCE: 18
207 ggcugacagg aucgucccu uggcucguga uccuacaagg gcaggggggg ucucuguucu      60
209 gcc                                                         63
212 <210> SEQ ID NO: 19
213 <211> LENGTH: 81
214 <212> TYPE: RNA
215 <213> ORGANISM: Human herpesvirus 4
217 <400> SEQUENCE: 19
218 ggcugugaca cugacgauga aucuucggug guuuaacau caaucaccuc uaugacauca      60
220 ucgucguaca caacacacgc u                                                         81

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## RAW SEQUENCE LISTING

DATE: 06/07/2006

PATENT APPLICATION: US/10/536,560

TIME: 10:46:42

Input Set : F:\Sequence.txt

Output Set: N:\CRF4\06072006\J536560.raw

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223 <210> SEQ ID NO: 20
224 <211> LENGTH: 60
225 <212> TYPE: RNA
226 <213> ORGANISM: Human Herpesvirus 5
228 <400> SEQUENCE: 20
229 ggcucguug cgauaggcca ccaccacguu aaagagagac gguggcacca gcucgaagcc 60
232 <210> SEQ ID NO: 21
233 <211> LENGTH: 92
234 <212> TYPE: RNA
235 <213> ORGANISM: Measles virus
237 <400> SEQUENCE: 21
238 ggcucguuga gaacucggc cagugcucgg ccugaaucuc ugccuaugau ggguuucagg 60
240 ucgggauuga guucgacauc ugcagugggg uc 92
243 <210> SEQ ID NO: 22
244 <211> LENGTH: 78
245 <212> TYPE: RNA
246 <213> ORGANISM: Hepatitis GB virus B
248 <400> SEQUENCE: 22
249 gggaaaaaac cuuguggggg ucuguggcgc uggacggcg cugacgccug uccuggccca 60
251 gagcccagcg aggugacc 78
254 <210> SEQ ID NO: 23
255 <211> LENGTH: 63
256 <212> TYPE: RNA
257 <213> ORGANISM: Human Herpesvirus 5
259 <400> SEQUENCE: 23
260 gggagacggc gcagccagug uuuuuuaaga uaaaacaagg cacguggucu gugcggcucu 60
262 ccc 63
265 <210> SEQ ID NO: 24
266 <211> LENGTH: 64
267 <212> TYPE: RNA
268 <213> ORGANISM: Human herpesvirus 2
270 <400> SEQUENCE: 24
271 gggaggggag aggagaaggg cgcgccggug cgcggagcag ccuuccuucu ccggaguccc 60
273 ucuc 64
276 <210> SEQ ID NO: 25
277 <211> LENGTH: 98
278 <212> TYPE: RNA
279 <213> ORGANISM: Human herpesvirus 1
281 <400> SEQUENCE: 25
282 gggccgccac ggccccgucg aucguggggg ccucgaaccc gggguggugg cgcgccaguc 60
284 guucuagguu caccaugcag gcgugguacg ugcggggc 98
287 <210> SEQ ID NO: 26
288 <211> LENGTH: 63
289 <212> TYPE: RNA
290 <213> ORGANISM: Human Herpesvirus 2
292 <400> SEQUENCE: 26
293 gggccgcggg ccagcagacg ggccgcggcg ccagcggccc acgccucccg ccgcgauuagg 60
295 ccc 63
298 <210> SEQ ID NO: 27

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## RAW SEQUENCE LISTING

DATE: 06/07/2006

PATENT APPLICATION: US/10/536,560

TIME: 10:46:42

Input Set : F:\Sequence.txt

Output Set: N:\CRF4\06072006\J536560.raw

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299 <211> LENGTH: 79
300 <212> TYPE: RNA
301 <213> ORGANISM: Human Adenovirus D
303 <400> SEQUENCE: 27
304 gggcguugcg ggccgagacc gugagcucgu cuuccaggag ccugaugagc ucggcgaugg      60
306 uggcgcgcac cucgcguc      79
309 <210> SEQ ID NO: 28
310 <211> LENGTH: 123
311 <212> TYPE: RNA
312 <213> ORGANISM: Human Herpesvirus 1
314 <400> SEQUENCE: 28
315 gggcuggggc cggggagggc uggggccggg gagggcuggg gccggggagg gcuggggccg      60
317 gggagggcug gggccgggga gggcuggggc cggggagggc uggggcuggg gagggcuggg      120
319 gcu      123
322 <210> SEQ ID NO: 29
323 <211> LENGTH: 79
324 <212> TYPE: RNA
325 <213> ORGANISM: Murray Valley encephalitis virus
327 <400> SEQUENCE: 29
328 gggcucauc uccauguug gcagggacuc cucuuccgag acgguucugg gaggcuuucc      60
330 aaccguggag aaucagcu      79
333 <210> SEQ ID NO: 30
334 <211> LENGTH: 107
335 <212> TYPE: RNA
336 <213> ORGANISM: Human Herpesvirus 2
338 <400> SEQUENCE: 30
339 ggggaggggg guggcggcug gggaaagga aggaacgcc gaaaccagag aaaaggacca      60
341 aaagggaac gcguccaacc gauaaaucaa gcgccgacca gaacccc      107
344 <210> SEQ ID NO: 31
345 <211> LENGTH: 116
346 <212> TYPE: RNA
347 <213> ORGANISM: Human Herpesvirus 1
349 <400> SEQUENCE: 31
350 ggggcagucg gggaaguggc ugucgagcac guagcccugc accaagaucu gcuuaaaguu      60
352 cgggugacgg gggnuccgca agacgggcuc gcggcggacc agauctcccg agcucc      116
355 <210> SEQ ID NO: 32
356 <211> LENGTH: 106
357 <212> TYPE: RNA
358 <213> ORGANISM: Human adenovirus C
360 <400> SEQUENCE: 32
361 gggggcgguu aggcuguccu ccuucucgac ugacuccaug aucuuuuucu gccuauagga      60
363 gaaggaaug gccagucggg aagaggagca gcgcgaaacc accccc      106
366 <210> SEQ ID NO: 33
367 <211> LENGTH: 66
368 <212> TYPE: RNA
369 <213> ORGANISM: Human Herpesvirus 4
371 <400> SEQUENCE: 33
372 ggggggcagu gaaagucau gacaauuuua gaugagguag aaauuuugca uauuuucaga      60
374 cccacc      66

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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/536,560

DATE: 06/07/2006  
TIME: 10:46:43

Input Set : F:\Sequence.txt  
Output Set: N:\CRF4\06072006\J536560.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:30842; N Pos. 25  
Seq#:44253; N Pos. 6  
Seq#:82755; N Pos. 11  
Seq#:166354; N Pos. 29

VERIFICATION SUMMARY

DATE: 06/07/2006

PATENT APPLICATION: US/10/536,560

TIME: 10:46:43

Input Set : F:\Sequence.txt

Output Set: N:\CRF4\06072006\J536560.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No  
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:280671 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30842 after pos.:0  
L:401376 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44253 after pos.:0  
L:747900 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82755 after pos.:0  
L:1500297 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:166354 after pos.:0



**STATISTICS SUMMARY**

PATENT APPLICATION: US/10/536,560

DATE: 06/07/2006

TIME: 10:46:43

Input Set : F:\Sequence.txt

Output Set: N:\CRF4\06072006\J536560.raw

Application Serial Number: US/10/536,560

Alpha or Numeric or Xml: Numeric

Application Class:

Application File Date: 05-26-2005

Art Unit: PCT

Software Application: PatentIN3.3

Total Number of Sequences: 424571

Total Nucleotides: 13589435

Total Amino Acids: 0

Number of Errors: 0

Number of Warnings: 4

Number of Corrections: 2

**MESSAGE SUMMARY**

270 C: 1 (Current Application Number differs)

271 C: 1 (Current Filing Date differs)

341 W: 4 ((46) "n" or "Xaa" used)